

## *Southeast Geysers Effluent Injection System (SGEIS), Phase 2, Basin 2000*

### GOAL

- To increase effluent wastewater injection to the Geysers geothermal steamfield for additional power generation.



### PROJECT DESCRIPTION

The purpose of this project is to extend the Phase 1 pipeline from the Lakeport Northwest Regional Treatment Plant to the Clearlake Southeast Regional Treatment Plant, and increase secondarily treated effluent injection volume in the pipeline up to design capacity. Phase 2 of the project addresses the serious decline of the Geysers reservoir geothermal resources that support power plant electricity production and will increase power output by approximately 10 to 20 MW.



### BENEFITS TO CALIFORNIA

This project will:

- Lower power generation costs due to fluid-use improvements that will enhance the competitiveness of several Geysers power plants, and extend the productive life of the steamfield.
- Increase power output by approximately 10 MW to 20 MW improve quality of injection fluid and steam, and reduce air pollution abatement costs.
- Maintain and strengthen California's

leadership in public/private geothermal partnerships between local communities and geothermal industry.

- Create approximately 130 construction jobs with a \$16 million payroll.
- Contribute \$1 million to the economy, through expenditures for construction-related local goods and services.
- Retain 85 local jobs and enable the addition of 150 jobs per year.
- Contribute local county revenues of \$150,000 per year through 2019.

## **FUNDING AMOUNT**

The Commission sponsored 10,000 ft (approximately 2 of the 19 miles) of pipeline construction costs for the project.

Commission	\$5.5 million
Match	\$22.5 million

## **PROJECT STATUS**

The contract with the Commission has been completed. The construction completion date for the project is projected for late summer or fall 2003.

## **FOR MORE INFORMATION**

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